FIG. 1

(2)

5

4

80μm   200μm

1

6

FIG. 2

Hybridization

6

2

10

13

n-Si

14

1

4

30µm   Al

500µm

0.4µm

11

15

12

16

FIG. 3

Nucleotides Hybridization via
Photovoltaic System

Test of Hybridization Time

Intensity

Time (min)

HPRT(500bp, GC%=41%)
G3PDH (1000bp, GC%=56%)
TFR(2000bp, GC%=44%)

Intensities of different time intervals
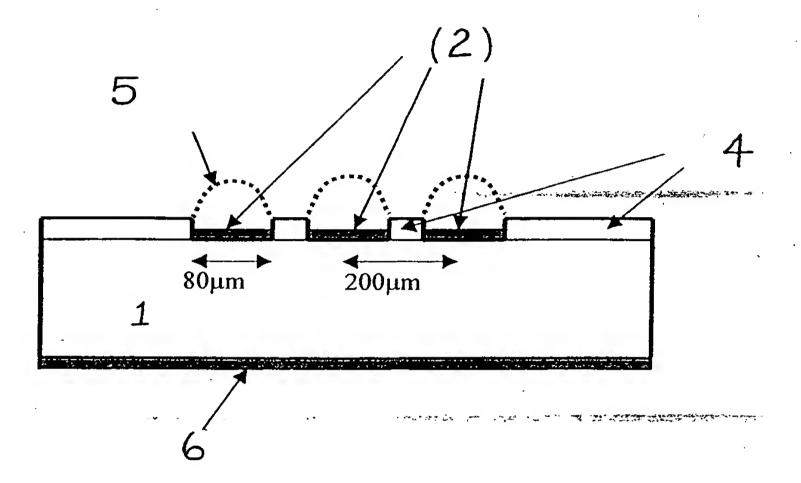compared to those of glass slide
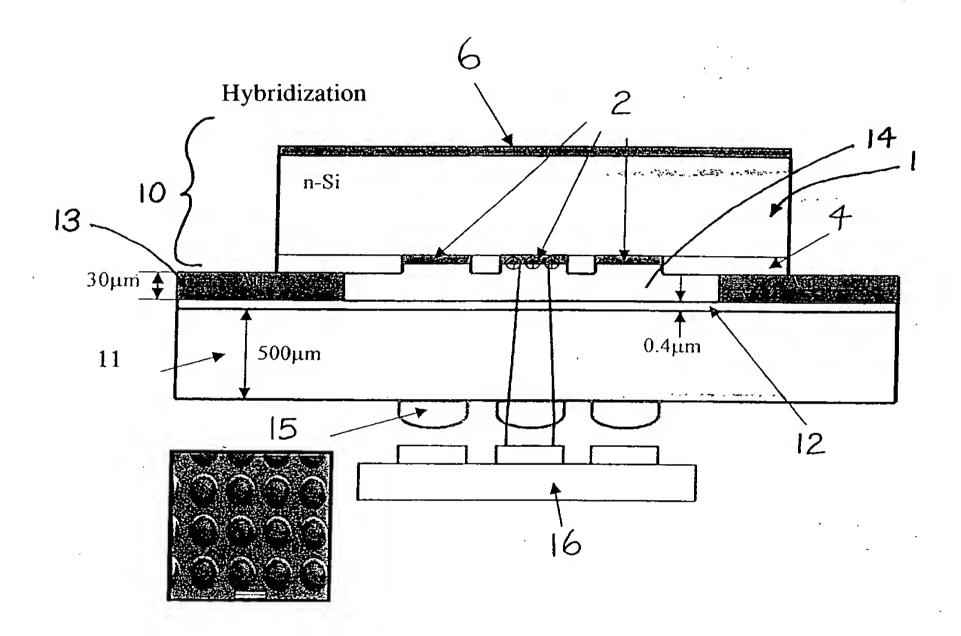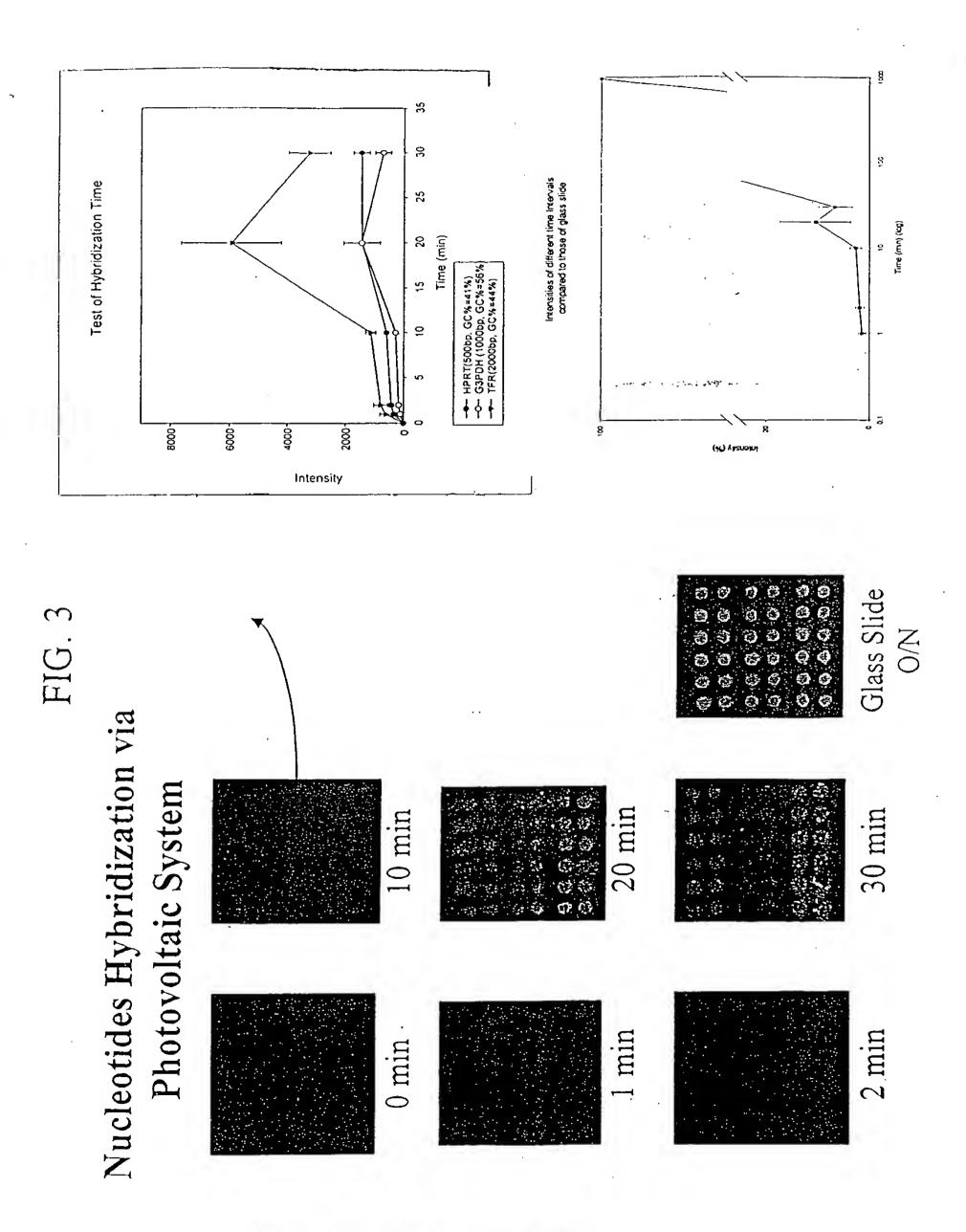
Intensity (%)

Time (min) (log)

0 min

1 min

2 min

10 min

20 min

30 min

Glass Slide
O/N

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